

# INTERNATIONAL SEARCH REPORT

Inter al Application No  
PCT/IB2005/050607

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 G01R33/565

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G01R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC, EMBASE, BIOSIS, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GRUETTER R: "AUTOMATIC, LOCALIZED IN VIVO ADJUSTMENT OF ALL FIRST-AND SECOND-ORDER SHIM COILS" MAGNETIC RESONANCE IN MEDICINE, ACADEMIC PRESS, DULUTH, MN, US, vol. 29, no. 6, 1 June 1993 (1993-06-01), pages 804-811, XP000369765 ISSN: 0740-3194 pages 806-807	1-4,9, 11-15, 17-20

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

° Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

22 April 2005

Date of mailing of the international search report

11/05/2005

Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GRAAF DE R A ET AL: "DYNAMIC SHIM UPDATING (DSU) FOR MULTISLICE SIGNAL ACQUISITION" MAGNETIC RESONANCE IN MEDICINE, ACADEMIC PRESS, DULUTH, MN, US; vol. 49, no. 3, March 2003 (2003-03), pages 409-416, XP001144372 ISSN: 0740-3194 see the chapters 'Materials and Methods' and 'Results'	1-4,9, 11-15, 17-20
X	----- D-H. KIM ET AL.: "Regularized Higher-Order In Vivo Shimming" MAGNETIC RESONANCE IN MEDICINE, vol. 48, 2002, pages 715-722, XP002325834 see pages 715 and 718	1,9,11, 15,18,19
X	----- US 5 166 620 A (PANOSH ET AL) 24 November 1992 (1992-11-24) column 15, line 51 - column 15, line 62	1,2,15, 17,18,20
A	----- US 5 923 168 A (ZHOU ET AL) 13 July 1999 (1999-07-13) column 1, line 6 - column 8, line 62 -----	5-8,16

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